

1

上玩二

先鋒

建造模型

Alpha

—CONSTRUCTION MODEL—

中華人民共和國製造
MADE IN THE PEOPLE'S REPUBLIC OF CHINA

“先鋒”建造模型經過精心設計，各種零件可以隨意搭配成新穎有趣，形象逼真，題材廣泛，各式各樣的實物模型。小朋友們看到自己親手搭成的各種模型將會引起很大興趣，同時在搭配的過程裏，小朋友手腦並用，可以增進智力和腦力的發展。

每個小朋友都希望把建造模型零件搭配成自己所喜愛的各種實物，例如：飛機、輪船、機器，以及各種日常用品等等。我們編印了這本圖解，在每幅圖面上都註明需用零件的號碼和件數。初學時不妨按圖搭配，待熟練以後一定還會自己創造出更多更好更合心意的模型來。

各種模型的搭配程序並沒有固定規律，但是一般說來凡是有底盤的模型，首先可從底上搭起，凡是有主體的模型，先從主體搭起，凡是比較複雜的模型，可以先將零件搭成部件，然後再併成一個整體。相信，待熟練之後，還會創造自己最熟練，效率最高的搭配程序。

“先鋒”建造模型，目前已有“1”——“7”號七種，號碼愈大，零件種類和數量愈多，也就可以搭配成更廣泛的題材。



"ALPHA" Construction Kit is a product of ingenuous design and fine workmanship. It provides a set of parts, by means of which models of realities of life—be it an aeroplane, a ship, a machine or whatnot—could be constructed at the will of the child to his thrilling delight.

"ALPHA" is not merely a toy, it trains the awakening mind and the delicate hands and develops infantile genius.

This booklet contains illustrative instructions with numbers of parts indicated, according to which the child may assemble one replica or another. The instruction book is a lead, but not an end. As experience accumulates, models of a greater variety and covering a wider field will surely be built.

There is, as a matter of fact, no definite rule as to how to start a construction. Generally speaking, however, the work is started from the base, or from the main structure, whereas for complicated constructions, sub-assemblies should be made first and then built up into a complete construction. The most efficient way will be the result of plays and depend upon the thoughtfulness of the young 'ENGINEER'.

"ALPHA" is available in 7 sizes, from No. 1 to No. 7, the larger the number, the more the parts and the greater the versatility.



先鋒建造模型零件表
CONTENTS OF ALPHA No. 1 TO 7 OUTFIT

零件 號數	中文名稱	英文名稱	七種產品 Seven Outfits						
No.	Chinese Name	English Name	1	2	3	4	5	6	7
101	三孔直條	Perforated Strip, 3 Holes	—	—	4	6	6	6	6
103	五孔直條	.. 5 Holes	2	9	10	12	12	12	12
105	七孔直條	.. 7 Holes	—	—	6	10	10	10	10
107	十一孔直條	.. 11 Holes	4	4	4	6	6	6	8
110	廿五孔直條	.. 25 Holes	—	—	—	—	—	2	4
124	五孔平彎條	Curved Strip, Stepped, 5 Holes	2	2	2	4	4	4	4
137	三孔曲彎條	Formed Slotted Strip, 3 Holes	—	—	—	—	—	4	4
201	五×三孔平片	Flexible Plates, 5 Holes×3 Holes	—	—	2	4	4	4	4
203	九孔三角片	Triangular Flexible Plates, 5 Holes×3 Holes×4 Holes	—	—	—	—	—	—	4
204	十一×三孔平片	Flexible Plates, 11 Holes×3 Holes	—	—	2	4	4	4	4
206	五×五孔平片	.. 5 Holes×5 Holes	—	—	4	8	8	8	8
208	九×五孔平片	.. 9 Holes×5 Holes	—	—	2	3	3	3	3
210	十一×五孔平片	.. 11 Holes×5 Holes	—	—	—	—	—	2	2
217	五×五圓曲片	Curved Plate, 5 Holes×5 Holes, $\frac{5}{8}$ " Radius	—	—	—	—	2	2	2
221	五×五折曲片	Curved Plate, 5 Holes×5 Holes, $\frac{5}{8}$ " Radius	—	—	—	—	1	2	2
244	五×三半圓平片	Semi-Circular Plate, 5 Holes×3 Holes	—	—	—	—	—	2	2
250	七×三折底板	Flanged Plate, 7 Holes×3 Holes	—	—	—	—	—	—	1
252	十一×七折底板	Flanged Plate, 11 Holes×7 Holes	1	1	1	1	1	1	1
257	扇形底板	Flanged Sector Plate, 7 Holes long	—	1	1	2	2	2	2
259	鉸鏈平片九×五	Hinged Flat Plate, 9 Holes×5 Holes	—	—	—	—	—	—	2
301	$\frac{5}{8}$ "帶軸輪	Pulley $\frac{5}{8}$ " Diam, With Boss	—	—	—	1	1	1	1
303	1"帶軸輪	.. 1" Diam, With Boss	2	4	4	4	4	4	5
305	3"帶軸輪	.. 3" Diam, With Boss	—	—	—	—	—	—	2
311	$\frac{1}{2}$ "無軸輪	.. $\frac{1}{2}$ " Diam, Without Boss	—	1	1	1	1	1	1
322	無軸圓平輪	Wheel Disc, 1 $\frac{3}{8}$ " Diam, 8 Holes Without Boss	—	—	—	1	2	2	2
323	有軸圓平輪	Bush Wheel, 1 $\frac{3}{8}$ " Diam, 8 Holes With Boss	1	1	1	1	1	1	1
326	2 $\frac{1}{2}$ "帶軸飛輪	Road Wheel, 2 $\frac{1}{2}$ " Diam, With Boss	—	—	—	—	1	2	4
340	輪胎	Rubber Ring (for 1" Pulley)	2	4	4	4	4	4	4

零件
號數

中文名稱

英文名稱

七種產品
Seven Outfits

No.	Chinese Name	English Name	1	2	3	4	5	6	7
343	汽 車 輪 胎	Rubber Tyre (for 1" Pulley)	—	—	—	—	—	4	4
401	1" 軸 棒	Axle Rods 1"	—	—	—	—	—	—	1
402	1½" 軸 棒	" 1½"	—	—	—	—	—	1	2
403	2" 軸 棒	Axle Rods 2"	1	2	2	2	2	2	2
406	3½" 軸 棒	" 3½"	1	2	2	2	2	3	4
407	4" 軸 棒	" 4"	—	—	—	—	—	2	2
408	4½" 軸 棒	" 4½"	—	—	—	—	—	—	1
425	搖 柄	Crank Handle, 3½ Shaft	1	1	1	1	1	2	2
502	5 × 1 雙 曲 接 頭	Double Angle Strip, 5 Holes × 1 Hole	2	4	4	6	6	6	6
522	1 × 1 單 曲 接 頭	Angle Bracket, 2 Holes	4	8	15	15	15	15	15
523	鈍 角 接 頭	Obtuse Angle Bracket, 2 Holes	—	—	—	—	—	—	4
524	3 × 1 雙 曲 接 頭	Double Bracket, 3 Holes × 1 Hole	—	—	—	—	—	—	1
527	1 × 1 平 面 接 頭	Fishplate ...	4	5	5	8	8	8	8
530	1 × 1 雙 曲 反 接 頭	Reversed Angle Bracket, 3 Holes	—	2	2	4	4	4	4
531	雙 曲 接 頭	Double Bracket	—	—	—	—	—	2	2
536	梯 形 接 頭	Bent Strip, Stepped	—	—	—	—	—	1	1
540	五 角 曲 接 頭	Trunnion	2	2	2	6	6	6	6
545	五 角 平 接 頭	Flat Trunnion...	2	2	2	6	6	6	6
561	軸 軸 接 頭	Rod Connector	—	—	—	—	—	1	1
580	軸 片 接 頭	Rod and Strip Connector	—	—	—	—	—	1	1
601	傳 動 帶 (細)	Driving Band (Light)	—	—	2	2	2	2	2
603	傳 動 帶 (粗)	" (Heavy)	—	—	—	—	1	1	1
609	開 發 司 線	Hank of Cord	2	4	4	4	4	4	4
701	¼" 螺 絲	Bolt ¼" ...	22	30	50	100	100	100	120
703	⅝" 螺 絲	" ⅝"	—	—	—	—	4	6	6
720	方 帽	Nut ...	22	30	50	100	100	100	120
801	旋 鑿	Screw-Driver	1	1	1	1	1	1	1
802	扳 頭	Spanner	1	1	1	1	1	1	1
1001	彈 力	Spring Clip	4	6	6	8	8	8	8
1021	彈 簧	Anchoring Spring for Cord	—	—	—	—	—	1	1
1201	⅝" 墊 圈	Washer ⅝"	—	—	—	—	4	6	14
1204	¾" 墊 圈	" ¾"	—	—	—	—	—	2	2
1411	鉤	Hook	—	1	1	1	1	1	1



101



103



105



107



110



124



137



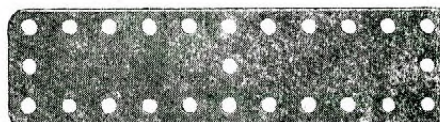
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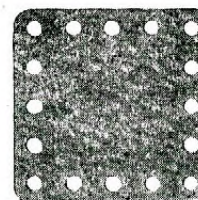
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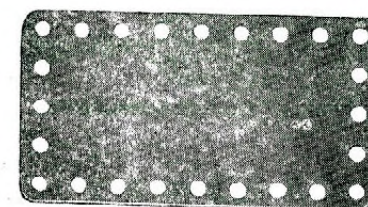
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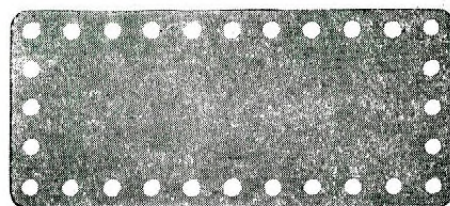
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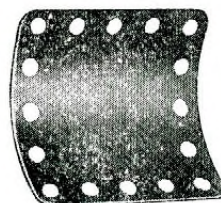
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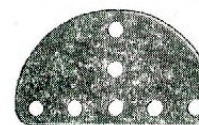
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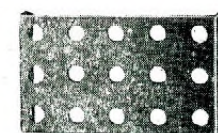
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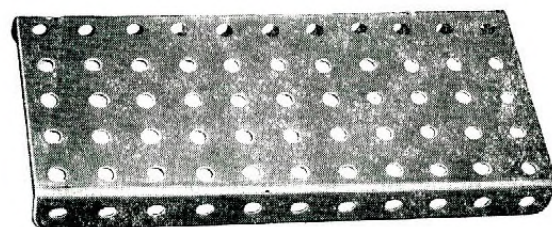
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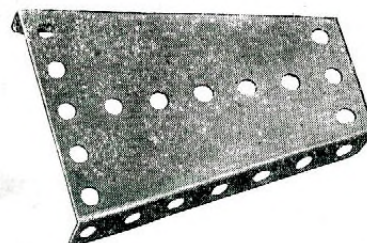
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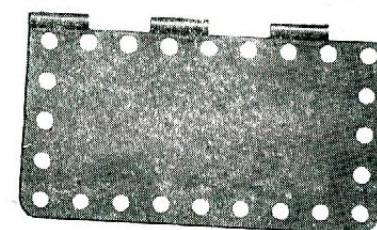
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257



259





301

303

305

311

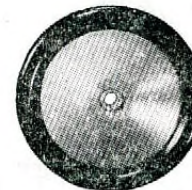
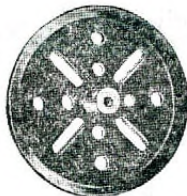
322

323

326

340

343



401

402

403

406



407

408

425



502

522

523

524

527

530

531

536



540

545

561

580

601

603

609



701

703

720

801

802

1001

1021

1201

1204

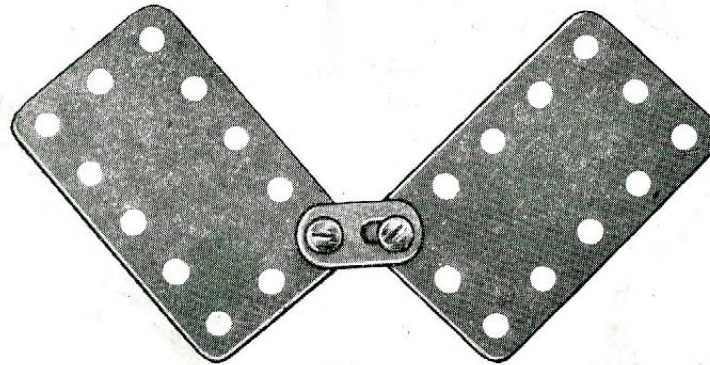
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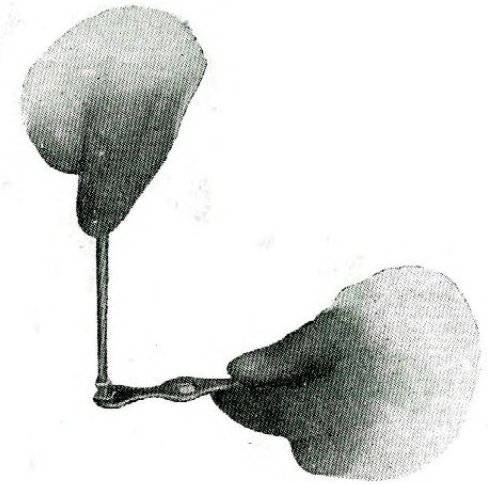
幾種常用的結構
A FEW USEFUL MECHANISMS



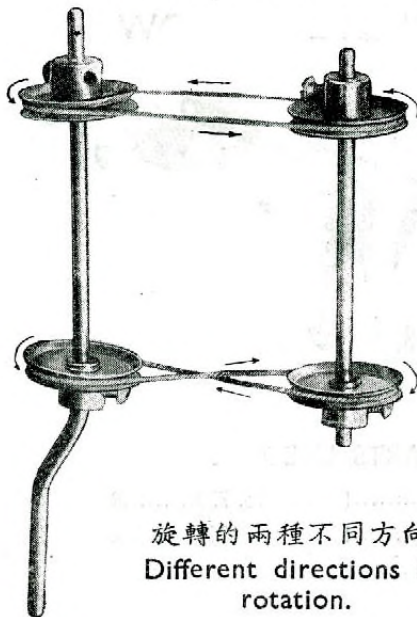
直條結成管子型
Joining the Perforated Strips
in the shape of a tube.



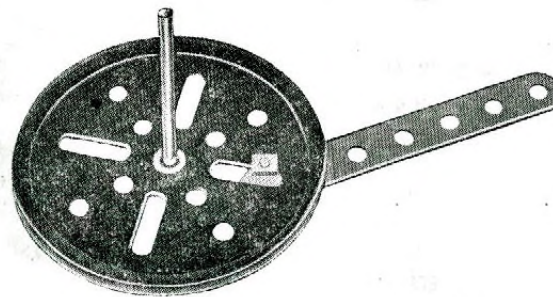
用接頭延長的方法
To lengthen, use the Fishplate.



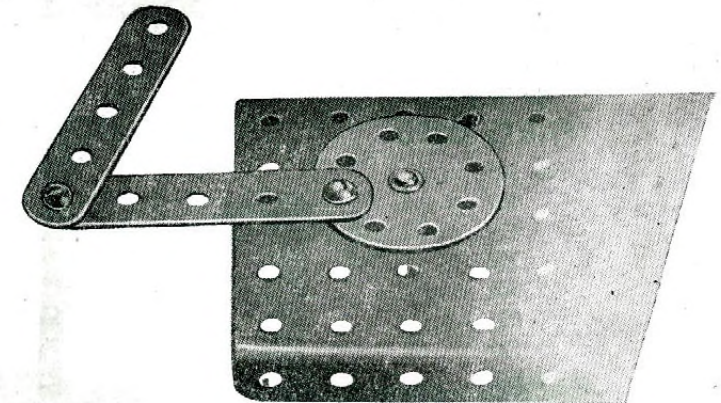
使用旋鑿及扳頭
Using the Screwdriver and
the Spanner.



旋轉的兩種不同方向
Different directions in
rotation.



方帽的“扳牢”方法
Lock—Nutting
2 Nuts are used when some
Parts require free Pivoting.



用有軸圓平輪代替轉輪
The Brush Wheel can be used as
a Driving Wheel.

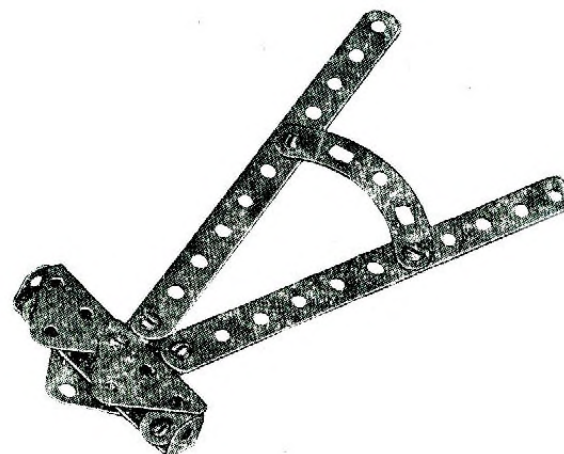
1. 桌子 TABLE



使用零件 PARTS USED

No. 124.....	2
252.....	1
502.....	2
701.....	4
720.....	4

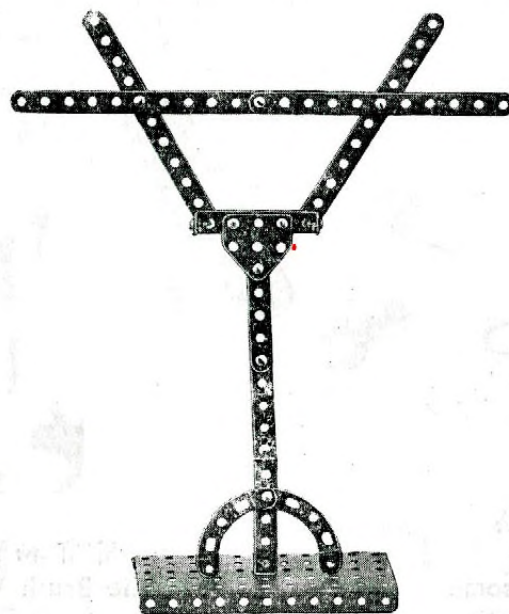
2. 剪毛器 CLIPPER



使用零件 PARTS USED

No. 107.....	2
124.....	1
502.....	1
522.....	2
527.....	2
540.....	2
545.....	1
701.....	12
720.....	12

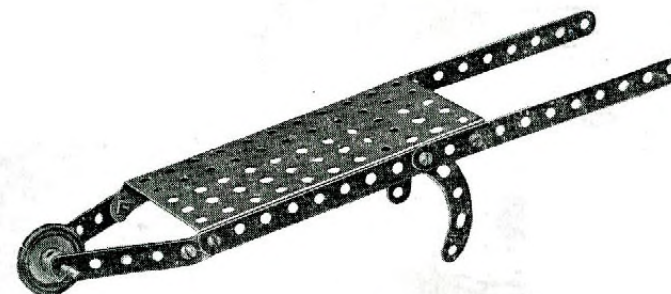
3. 曲谱架 MUSIC STAND



使用零件 PARTS USED

No. 103.....	2
107.....	4
124.....	2
252.....	1
502.....	2
522.....	3
527.....	2
545.....	1
701.....	15
720.....	15

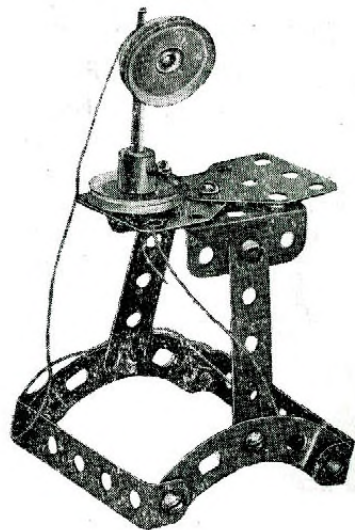
4. 独轮推车 WHEEL BARROW



使用零件 PARTS USED

No. 103.....	2	No. 303.....	1	No. 720.....	8
107.....	2	340.....	1	1001.....	2
124.....	2	527.....	2		
252.....	1	701.....	9		

5. 擴音器 MICROPHONE



使用零件 PARTS USED

No. 103.....	2
124.....	2
303.....	2
403.....	1
502.....	2
522.....	1
540.....	2
545.....	2
609.....	1
701.....	12
720.....	9
1001.....	2

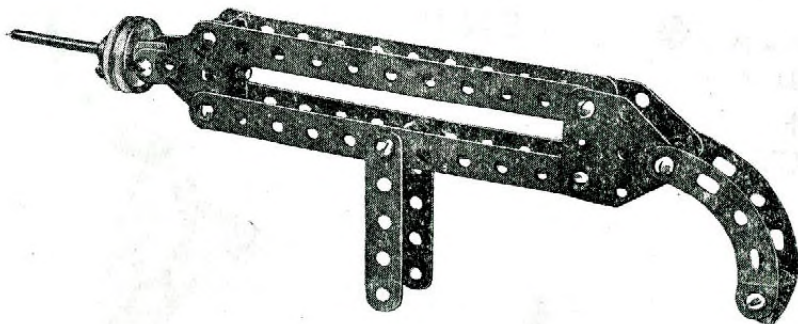
6. 製圖桌 DRAFTING TABLE



使用零件 PARTS USED

No. 103.....	2
107.....	3
124.....	2
252.....	1
323.....	1
502.....	2
522.....	2
540.....	2
545.....	2
701.....	21
720.....	19

7. 電鑽 ELECTRIC HAND DRILL



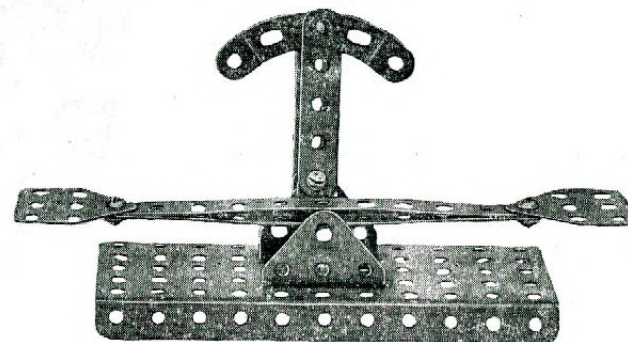
使用零件 PARTS USED

No. 103.....	2	No. 406.....	1	No. 545.....	2
107.....	4	522.....	2	701.....	22
124.....	2	527.....	2	720.....	19
303.....	2	540.....	2		

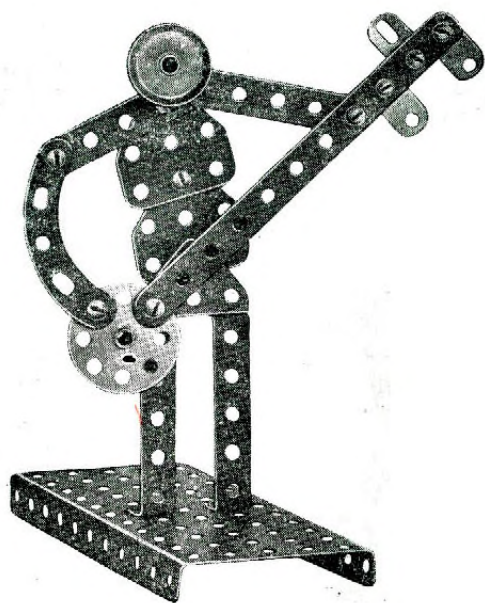
使用零件 PARTS USED

No. 103.....	2
107.....	2
124.....	1
252.....	1
403.....	1
522.....	1
527.....	2
540.....	2
545.....	2
701.....	9
720.....	9
1001.....	2

8. 天平 SCALE



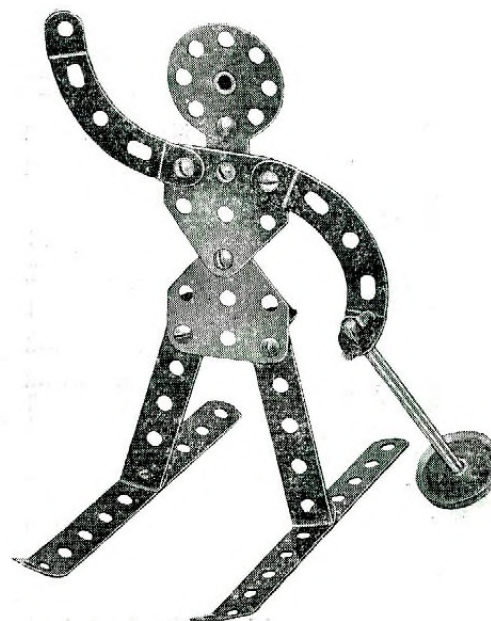
9. 音樂家 MUSICIAN



使用零件 PARTS USED

No. 103.....	2
107.....	1
124.....	1
252.....	1
303.....	1
323.....	1
502.....	2
527.....	4
540.....	1
545.....	2
701.....	17
720.....	15

10. 滑雪 SKIER



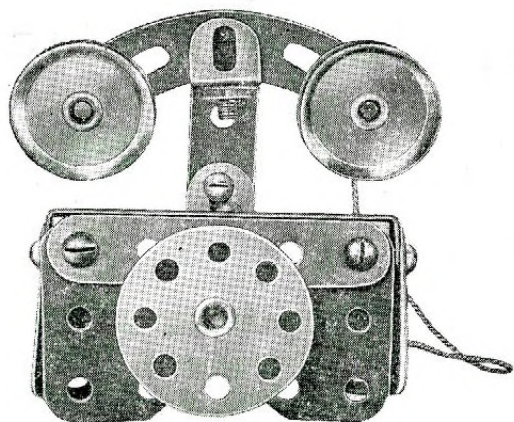
使用零件 PARTS USED

No. 107.....	2
124.....	2
303.....	1
323.....	1
406.....	1
502.....	2
527.....	1
545.....	2
701.....	10
720.....	9
1001.....	2

11. 電話 TELEPHONE

使用零件 PARTS USED

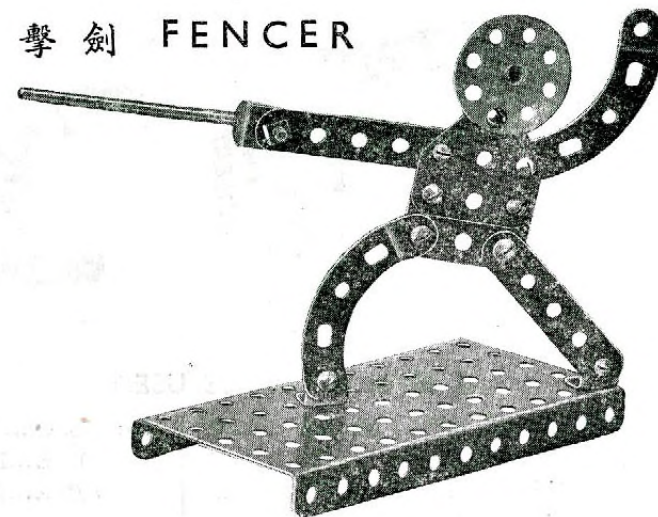
No. 103.....	2
124.....	1
303.....	2
323.....	1
502.....	2
522.....	5
540.....	2
545.....	2
609.....	1
701.....	15
720.....	10



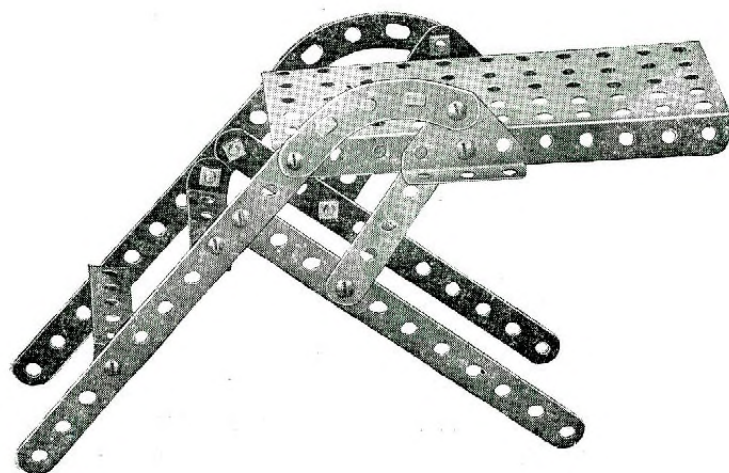
12. 擊劍 FENCER

使用零件 PARTS USED

No. 103.....	2
124.....	2
252.....	1
323.....	1
406.....	1
522.....	4
545.....	2
701.....	12
720.....	12
1001.....	2



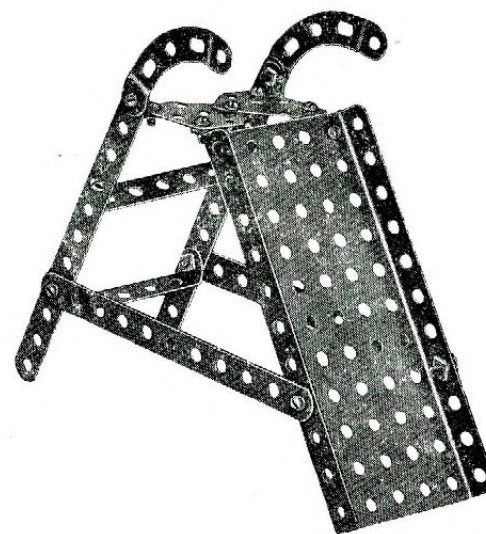
13. 跳水板 DIVING BOARD



使用零件 PARTS USED

No. 103.....2
107.....4
124.....2
252.....1
502.....2
540.....2
701.....14
720.....14

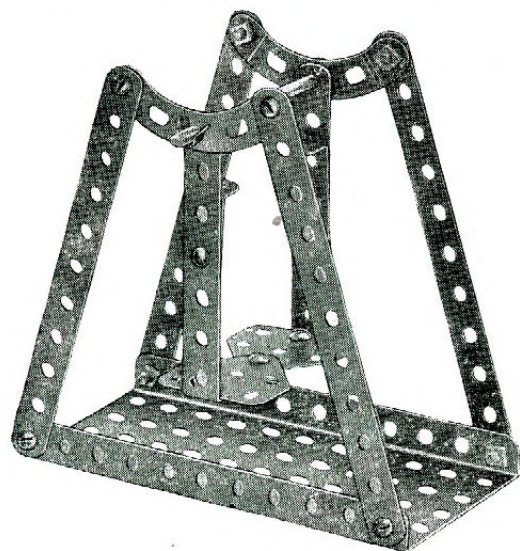
14. 滑梯 SLIDE



使用零件 PARTS USED

No. 107.....4
124.....2
252.....1
502.....2
522.....4
545.....2
701.....15
720.....15

15. 鞦韆 SWING



使用零件 PARTS USED

No. 103.....2
107.....4
124.....2
252.....1
406.....1
502.....2
545.....2
701.....13
720.....13
1001.....2

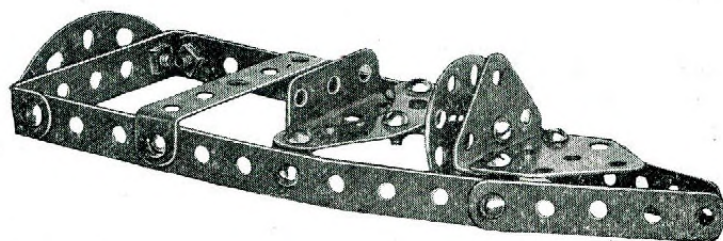
16. 翘翘板 SEE-SAW



使用零件 PARTS USED

No. 103.....2	No. 522.....2	No. 701.....16
107.....4	527.....2	720.....16
252.....1	540.....2	
502.....1	545.....2	

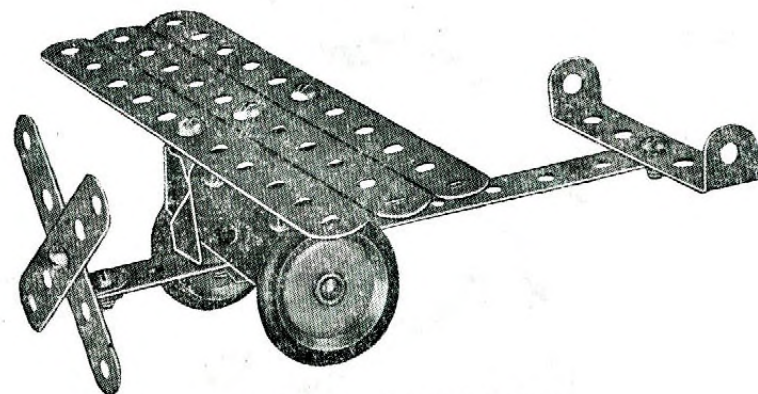
17. 汽艇 MOTOR BOAT



使用零件 PARTS USED

No. 103.....2	No. 502.....2	No. 701.....17
107.....2	522.....4	720.....15
124.....2	540.....2	
323.....1	545.....1	

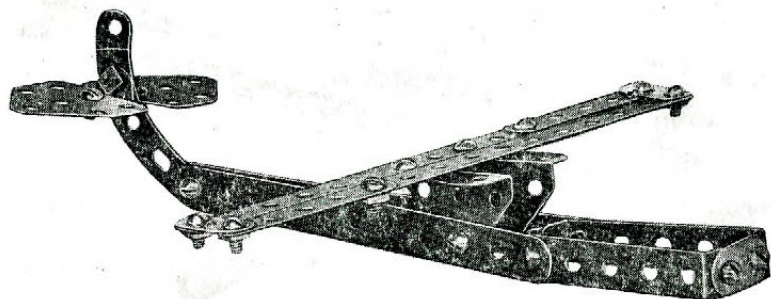
18. 飛機 AEROPLANE



使用零件 PARTS USED

No. 103.....2	No. 403.....1	No. 545.....2
107.....4	502.....1	701.....13
303.....2	522.....3	720.....11
340.....2	540.....2	1001.....2

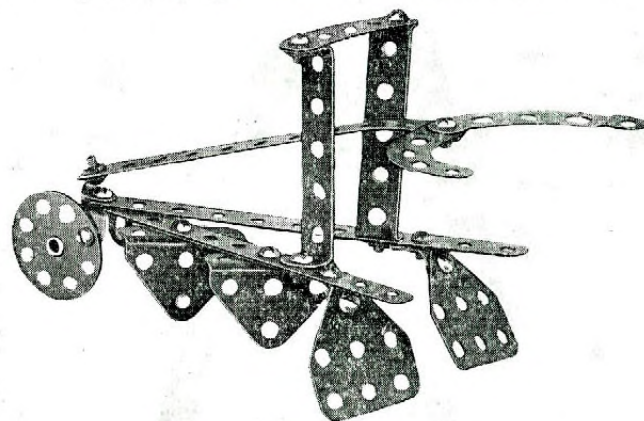
19. 滑翔機 GLIDER



使用零件 PARTS USED

No. 103.....2	No. 522.....2	No. 545.....2
107.....4	527.....3	701.....18
124.....1	540.....2	720.....18

20. 盤式鏟犁 DISC TYPE PLOUGH



使用零件 PARTS USED

No. 103.....1	No. 502.....2	No. 701.....14
107.....3	522.....4	720.....14
124.....2	540.....2	
323.....1	545.....2	

21. 測量器 SURVEYING INSTRUMENT

使用零件

PARTS USED

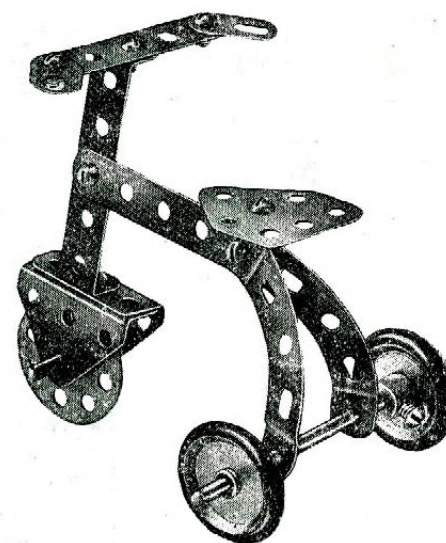
No. 103.....	2
107.....	3
323.....	1
502.....	1
522.....	6
540.....	2
701.....	11
720.....	11



22. 三輪童車 TRICYCLE

使用零件 PARTS USED

No. 103.....	2	No. 522.....	1
124.....	2	527.....	2
303.....	2	540.....	2
323.....	1	545.....	1
340.....	2	701.....	10
403.....	1	720.....	7
406.....	1	1001.....	2
502.....	1		

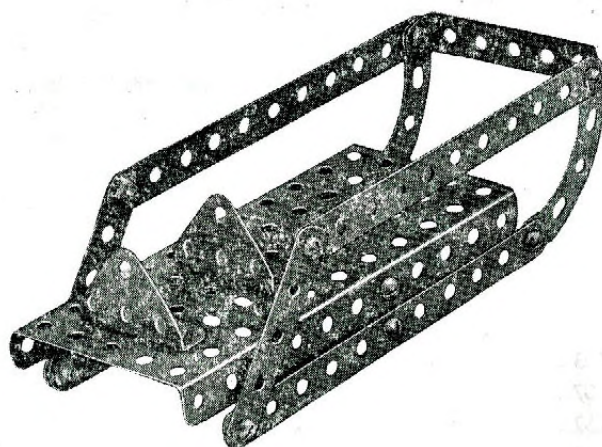


23. 雪車 SLEDGE

使用零件

PARTS USED

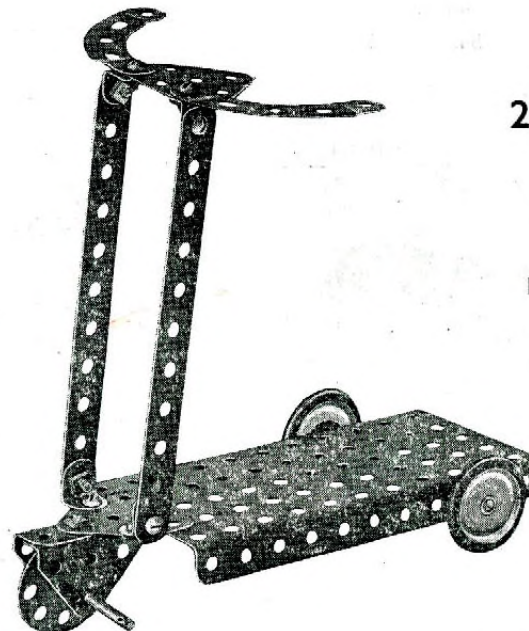
No. 103.....	2
107.....	4
124.....	2
252.....	1
502.....	1
527.....	2
540.....	2
701.....	14
720.....	14



24. 跑冰車 SCOOTER

使用零件 PARTS USED

No. 107.....	2	No. 406.....	1
124.....	2	522.....	4
252.....	1	540.....	2
303.....	2	545.....	2
323.....	1	701.....	13
340.....	2	720.....	10
403.....	1		



25. 公園靠椅 PARK SEAT



使用零件 PARTS USED

No. 103.....2	No. 502.....2	No. 701.....18
107.....2	522.....2	720.....18
124.....2	540.....2	
252.....1	545.....2	

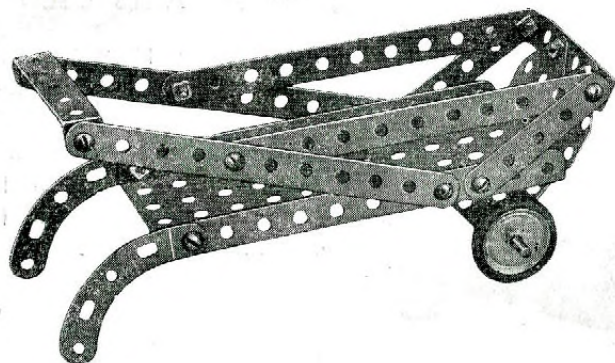
26. 割草機 LAWN MOWER



使用零件 PARTS USED

No. 107.....2
124.....2
303.....2
323.....1
340.....2
522.....4
540.....2
545.....2
701.....15
720.....12

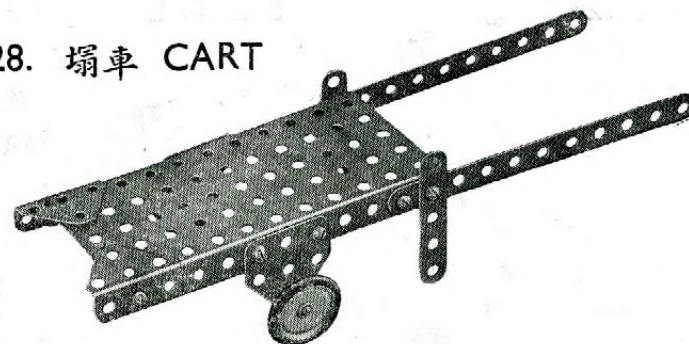
27. 行李推車 LUGGAGE PUSHER



使用零件 PARTS USED

No. 103.....2
107.....4
124.....2
252.....1
303.....2
340.....2
406.....1
502.....2
522.....1
540.....2
545.....2
701.....20
720.....18

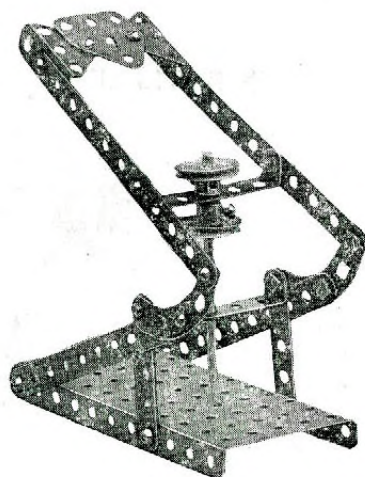
28. 塌車 CART



使用零件 PARTS USED

No. 103.....2	No. 340.....2	No. 701.....12
107.....2	406.....1	720.....10
252.....1	540.....2	
303.....2	545.....2	

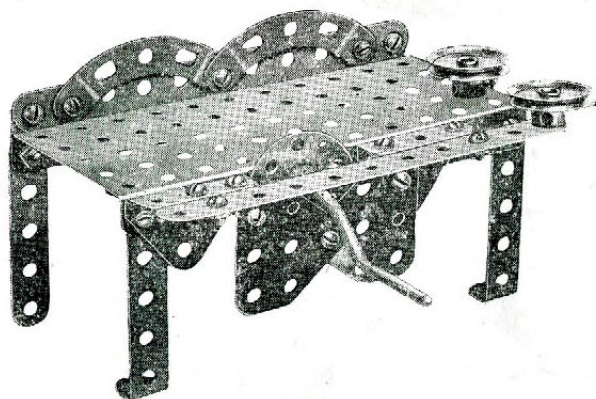
29. 打眼機 PUNCHING MACHINE



使用零件 PARTS USED

No. 103.....	2
107.....	4
124.....	2
252.....	1
303.....	2
406.....	1
502.....	2
540.....	2
545.....	1
701.....	18
720.....	18

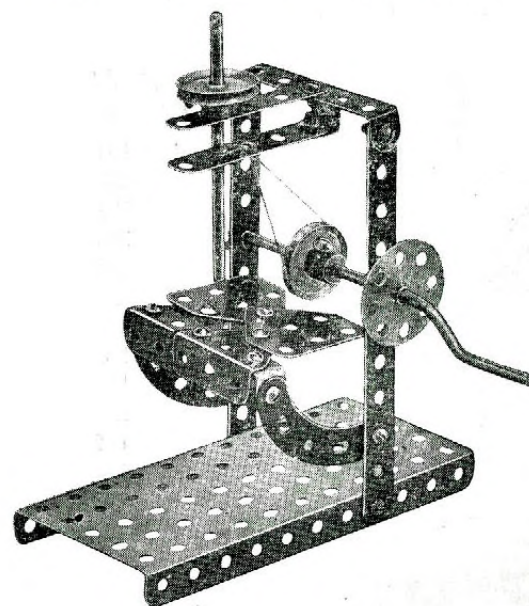
31. 圓鋸 CIRCULAR SAW



使用零件 PARTS USED

No. 103.....	2	No. 323.....	1	No. 540.....	2
107.....	2	425.....	1	545.....	2
124.....	2	502.....	2	701.....	25
252.....	1	522.....	2	720.....	20
303.....	2	527.....	4	1001.....	1

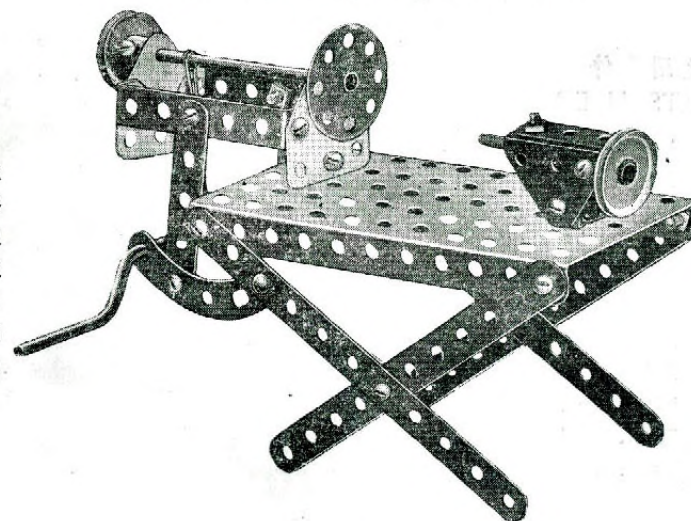
30. 鑽床 DRILL PRESS



使用零件 PARTS USED

No. 103.....	2
107.....	2
124.....	2
252.....	1
303.....	2
323.....	1
406.....	1
425.....	1
502.....	1
522.....	4
540.....	2
545.....	2
609.....	1
701.....	20
720.....	18
1001.....	2

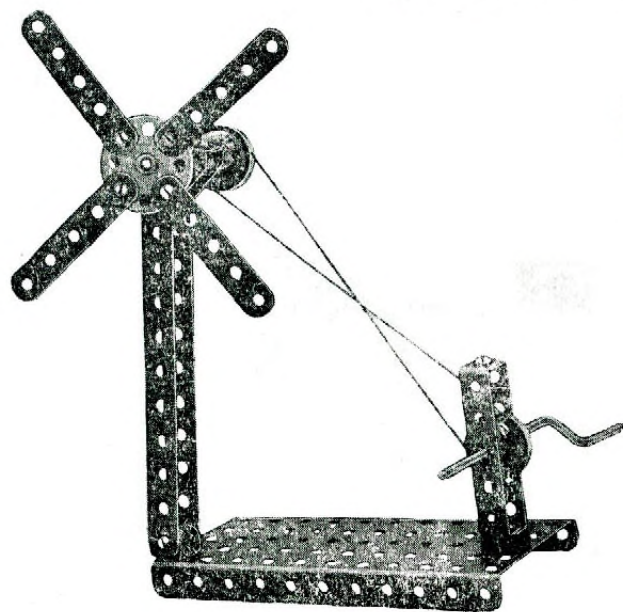
32. 車床 LATHE



使用零件 PARTS USED

No. 103.....	2	No. 425.....	1
107.....	4	502.....	2
124.....	2	522.....	4
252.....	1	540.....	2
303.....	2	545.....	2
323.....	1	609.....	1
403.....	1	701.....	25
406.....	1	720.....	22

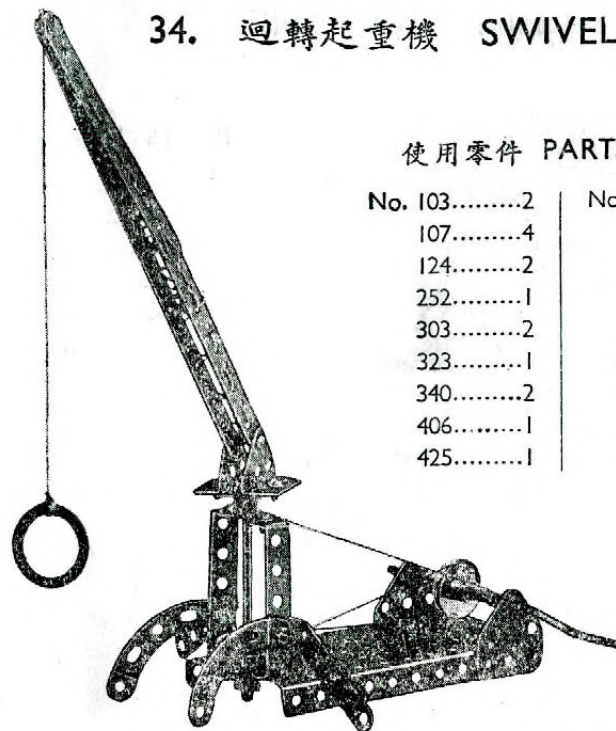
33. 風車 WINDMILL



使用零件 PARTS USED

No. 103.....	4
107.....	2
252.....	1
303.....	2
323.....	1
406.....	1
425.....	1
502.....	2
522.....	2
540.....	2
609.....	1
701.....	16
720.....	13

34. 迴轉起重機 SWIVELLING CRANE



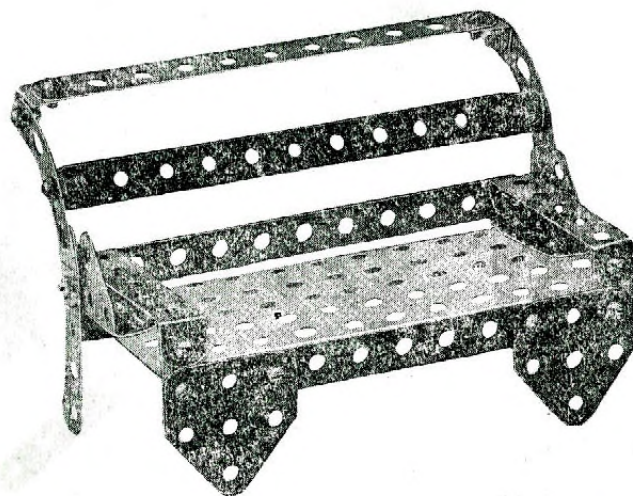
使用零件 PARTS USED

No. 103.....	2	No. 502.....	2
107.....	4	522.....	4
124.....	2	527.....	4
252.....	1	540.....	2
303.....	2	545.....	2
323.....	1	609.....	2
340.....	2	701.....	22
406.....	1	720.....	19
425.....	1	1001.....	2

35. 沙發 SOFA

使用零件 PARTS USED

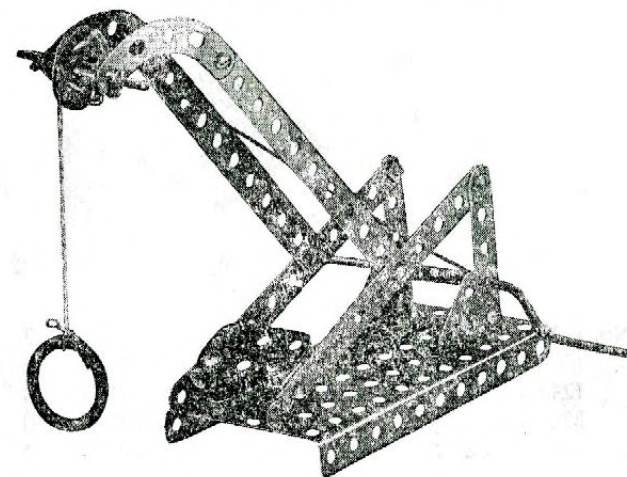
No. 103.....	2
107.....	3
124.....	2
252.....	1
502.....	2
522.....	4
527.....	4
540.....	2
545.....	2
701.....	24
720.....	24

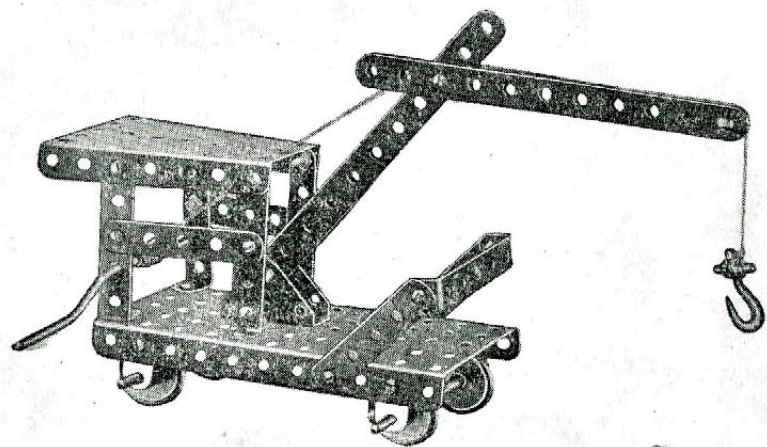


使用零件 PARTS USED

No. 103.....	2
107.....	4
124.....	2
252.....	1
303.....	1
340.....	1
403.....	1
425.....	1
522.....	2
540.....	2
545.....	1
609.....	1
701.....	15
720.....	14
1001.....	4

36. 起重機 CRANE

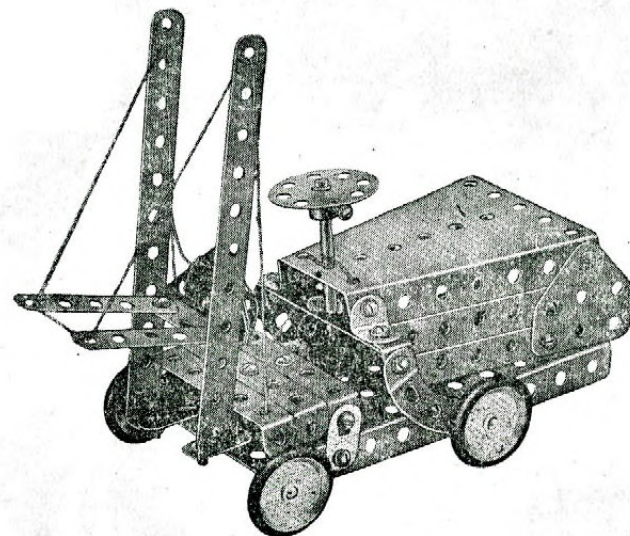




先鋒“2”號搭配模型

假使你對“先鋒”發生興趣之後，你一定想要繼續搭配更複雜和精巧的模型，這幾件都是用“2”號搭配的。

當你擁有兩套“先鋒”的時候，不僅可以搭配這幾件東西，你還可以利用所有的零件搭配你自己所設計的模型，這將使你獲得無窮的樂趣。



WHAT ALPHA “2” OUTFIT CAN BUILD

If you have found interest in “ALPHA” you will certainly like to know more about our other outfits and continue to build more complicated and realistic models. We have therefore selected just a few models to show you what you can build with our “2” outfit.

When you are in possession of two ALPHA sets, you can utilize all the parts to build models of your own design. We are quite sure that you will find endless pleasure in constructing.

